

ABSTRACT:

A low-pressure mercury discharge lamp comprising an inner bulb, which forms a gas discharge vessel and the wall of which is made of a material which is transparent to electromagnetic radiation and is coated with a phosphor, and comprising an outer bulb surrounding the inner bulb, the wall of which contains an UV-A phosphor, and comprising
5 means for generating and maintaining a low-pressure mercury gas discharge.

Fig. 1

Fig. 1 is a schematic diagram of a low-pressure mercury discharge lamp. The lamp consists of an inner bulb (1) and an outer bulb (2). The inner bulb (1) is a gas discharge vessel with a transparent wall coated with a phosphor. The outer bulb (2) surrounds the inner bulb (1) and has a wall containing a UV-A phosphor. The lamp is provided with means for generating and maintaining a low-pressure mercury gas discharge.